

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of claims:

1. (Currently Amended) A drug ~~for preventing or treating a heart disease,~~ comprising an expression vector containing a CD9 gene as the active ingredient and a pharmaceutically acceptable auxiliary or carrier.
2. (Currently Amended) The drug ~~for preventing or treating a heart disease~~ according to Claim 1, wherein the heart disease is a disease causative of heart failure.
3. (Currently Amended) The drug ~~for preventing or treating a heart disease~~ according to Claim 1, wherein the heart disease is a ischemic heart disease.
4. (Currently Amended) The drug ~~for preventing or treating a heart disease~~ according to Claim 3, wherein the ischemic heart disease is myocardial infarction.
5. (Currently Amended) The drug ~~for preventing or treating a heart disease~~ according to Claim 1, wherein the heart disease includes one or more of cardiomyopathy, hypertensive heart diseases, valvular disease, congenital heart diseases and myocarditis.
6. (Currently Amended) The drug ~~for preventing or treating a heart disease~~ according to Claim 1, wherein the heart disease is arrhythmia.
7. (Currently Amended) The drug ~~for preventing or treating a heart disease~~ according to Claim 6, wherein the arrhythmia is tachyarrhythmia.
8. (Currently Amended) The drug ~~for preventing or treating a heart disease~~ according to Claim 7, wherein the tachyarrhythmia is supraventricular arrhythmia and/or ventricular arrhythmia.

9. (Currently Amended) The drug ~~for preventing or treating a heart disease~~ according to Claim 6, wherein the heart disease is one or more of WPW syndrome, long QT syndrome, Brugada syndrome, and arrhythmia-inducing right ventricular dysplasia (ARVD, ARVC).

10. (Currently Amended) The drug ~~for preventing or treating a heart disease~~ according to Claim 1, wherein the heart disease is associated with cardiac hypertrophy and/or tachycardia.

11. (Currently Amended) The drug ~~for preventing or treating a heart disease~~ according to Claim 10, wherein cardiac hypertrophy or tachycardia is caused by at least one of HB-EGF (heparin binding epidermal growth factor), HGF (hepatocyte growth factor) or angiotensin 2.

12. (Currently Amended) The drug ~~for preventing or treating a heart disease~~ according to Claim 1, wherein the expression vector is a viral vector or a non-viral vector.

13. (Currently Amended) The drug ~~for preventing or treating a heart disease~~ according to Claim 12, wherein the viral vector is adenovirus, adeno-associated virus, retrovirus, herpesvirus, herpes simplex virus, lentivirus, Sendai virus, poxvirus, poliovirus, symbis virus or vaccinia virus.

14. (Currently Amended) A method for ~~preventing or~~ treating a heart disease, comprising expressing a CD9 gene in the heart of a subject in need thereof, wherein the heart disease is characterized by myocardial infarction, hypertrophy, arrhythmia, or tachycardia.

15. (Currently Amended) The method for ~~preventing or~~ treating a heart disease according to Claim 14, wherein the heart disease is a disease causative of heart failure.

16. (Currently Amended) The method for ~~preventing or~~ treating a heart disease according to Claim 14, wherein the heart disease is a ischemic heart disease.

17. (Currently Amended) The method for ~~preventing or~~ treating a heart disease according to Claim 16, wherein the ischemic heart disease is myocardial infarction.

18. (Currently Amended) The method for ~~preventing or~~ treating a heart disease according to Claim 14, wherein the heart disease includes one or more of cardiomyopathy, hypertensive heart diseases, valvular disease, congenital heart diseases and myocarditis.

19. (Currently Amended) The method for ~~preventing or~~ treating a heart disease according to Claim 14, wherein the heart disease is arrhythmia.

20. (Currently Amended) The method for ~~preventing or~~ treating a heart disease according to Claim 19, wherein the arrhythmia is tachyarrhythmia.

21. (Currently Amended) The method for ~~preventing or~~ treating a heart disease according to Claim 20, wherein the tachyarrhythmia is supraventricular arrhythmia and/or ventricular arrhythmia.

22. (Currently Amended) The method for ~~preventing or~~ treating a heart disease according to Claim 19, wherein the heart disease is one or more of WPW syndrome, long QT syndrome, Brugada syndrome, arrhythmia-inducing right ventricular dysplasia (ARVD, ARVC).

23. (Currently Amended) The method for ~~preventing or~~ treating a heart disease according to Claim 14, wherein the heart disease is associated with cardiac hypertrophy and/or tachycardia.

24. (Currently Amended) The method for ~~preventing or~~ treating a heart disease according to Claim 23, wherein cardiac hypertrophy or tachycardia is caused by at least

one of HB-EGF (heparin binding epidermal growth factor), HGF (hepatocyte growth factor) or angiotensin 2.

25. (Currently Amended) The method for ~~preventing or~~ treating a heart disease according to Claim 14, wherein the prevention or treatment is carried out by a gene therapy of transferring a CD9 gene.

26. (Currently Amended) The method for ~~preventing or~~ treating a heart disease according to Claim 25, wherein the gene therapy comprises using a drug containing an expression vector containing a CD9 gene as the active ingredient.

27. (Currently Amended) The method for ~~preventing or~~ treating a heart disease according to Claim 14, wherein the prevention or treatment comprises administration of an expression inducing substance for expressing endogenous CD9.

28. (New) The method of claim 14, wherein the method comprises directly administering an adenoviral expression vector containing a sequence encoding a CD9 protein to a cardiac muscle in the heart.